

Appl. No. 10/789,846
Amdt. Dated: Feb.8, 2006
Response to Office Action Dated Nov. 10, 2005

Amendments to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in this application:

1. (currently amended) A ~~composition for forming a seal for use in a water swellable wellbore seal~~ comprising: (a) a hydrogel and (b) a base material; wherein the seal is energized in a wellbore upon exposure to water.
2. (currently amended) The ~~composition seal~~ of claim 1, wherein said base material is a polymer.
3. (currently amended) The ~~composition seal~~ of claim 2, wherein said polymer is an elastomer.
4. (currently amended) The ~~composition seal~~ of claim 3, wherein said elastomer is selected from the group consisting of nitrile rubber, hydrogenated nitrile rubber, carboxyl nitrile rubber, silicon rubber, ethylene-propylene-diene copolymers, fluoroelastomers and perfluoroelastomers.
5. (currently amended) The ~~composition seal~~ of claim 2 wherein said polymer is a thermoplastic.
6. (currently amended) The ~~composition seal~~ of claim 5, wherein said thermoplastic is selected from the group consisting of Teflon® polytetrafluoroethylene, polyetheretherketone, polypropylene, polystyrene and polyphenylene sulfide.
7. (currently amended) The ~~composition seal~~ of claim 1 wherein said hydrogel is selected from the group consisting of: methylcellulose, cellulose acetate phthalate and hydroxypropyl methylcellulose polymers, poly (ethylene oxide) polymers, guar, derivatized guar, polyacrylamide, silicon-based polymers and fluorosilicone-based polymers.
8. (currently amended) The ~~composition seal~~ of claim 1 wherein said hydrogel is a metal complex of a polymer selected from the group consisting of: methylcellulose, cellulose acetate phthalate and hydroxypropyl methylcellulose polymers, poly (ethylene oxide)

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9. (canceled)

10. (currently amended) The composition seal of claim 1, wherein said composition forms a seal.

11. (currently amended) The composition seal of claim 10, wherein said seal is an o-ring.

12. (currently amended) The composition seal of claim 10, wherein said seal is a t-seal.

13. (currently amended) The composition seal of claim 10, wherein said seal is a chevron seal.

14. (currently amended) The composition seal of claim 10, wherein said seal is a spring seal.

15. (currently amended) The composition seal of claim 10, wherein said seal is a packer element.

16. (currently amended) The composition seal of claim 10, wherein said seal is a bridge plug.

17. (new) The seal of claim 1 wherein the seal is resettable.